

SGCN and Stressors Associated with Habitats

Macrogroup: Northern Hardwood & Conifer

Habitat Systems within Macrogroup:

MacrogroupName Northern Hardwood & Conifer

Appalachian (Hemlock)-Northern Hardwood Forest

Laurentian-Acadian Northern Hardwoods Forest

Laurentian-Acadian Pine-Hemlock-Hardwood Forest

Laurentian-Acadian Red Oak-Northern Hardwood Forest

Northeastern Coastal and Interior Pine-Oak Forest

Northern Hardwood & Conifer Macrogroup - Unknown Habitat System (i.e. Macrogroup)

Description: Wooded uplands of the north-temperate northeast, characterized by northern hardwoods, pines, hemlock, or red spruce

SGCN Associated With This Habitat

Total SGCN: 1: 12 2: 43 3: 99

Class	<i>Amphibia</i> (Amphibians)	SGCN Category
Species	<i>Ambystoma laterale</i> (Blue-spotted Salamander)	2
Species	<i>Gyrinophilus porphyriticus porphyriticus</i> (Northern Spring Salamander)	2
Class	<i>Aves</i> (Birds)	SGCN Category
Species	<i>Setophaga ruticilla</i> (American Redstart)	2
Species	<i>Scolopax minor</i> (American Woodcock)	3
Species	<i>Icterus galbula</i> (Baltimore Oriole)	3
Species	<i>Mniotilta varia</i> (Black-and-white Warbler)	2
Species	<i>Picoides arcticus</i> (Black-backed Woodpecker)	3
Species	<i>Coccyzus erythrophthalmus</i> (Black-billed Cuckoo)	3
Species	<i>Setophaga fusca</i> (Blackburnian Warbler)	3
Species	<i>Setophaga caerulescens</i> (Black-throated Blue Warbler)	3
Species	<i>Setophaga virens</i> (Black-throated Green Warbler)	3
Species	<i>Buteo platypterus</i> (Broad-winged Hawk)	3
Species	<i>Cardellina canadensis</i> (Canada Warbler)	2
Species	<i>Chaetura pelagica</i> (Chimney Swift)	2
Species	<i>Tyrannus tyrannus</i> (Eastern Kingbird)	2
Species	<i>Megascops asio</i> (Eastern Screech-owl)	3
Species	<i>Antrostomus vociferus</i> (Eastern Whip-poor-will)	2
Species	<i>Contopus virens</i> (Eastern Wood-pewee)	2
Species	<i>Coccothraustes vespertinus</i> (Evening Grosbeak)	2
Species	<i>Spizella pusilla</i> (Field Sparrow)	3
Species	<i>Passerella iliaca</i> (Fox Sparrow)	3
Species	<i>Perisoreus canadensis</i> (Gray Jay)	3
Species	<i>Ardea herodias</i> (Great Blue Heron)	2
Species	<i>Empidonax minimus</i> (Least Flycatcher)	3
Species	<i>Asio otus</i> (Long-eared Owl)	3
Species	<i>Parkesia motacilla</i> (Louisiana Waterthrush)	3
Species	<i>Geothlypis philadelphia</i> (Mourning Warbler)	3
Species	<i>Colaptes auratus</i> (Northern Flicker)	3
Species	<i>Setophaga americana</i> (Northern Parula)	3
Species	<i>Pinicola enucleator</i> (Pine Grosbeak)	3
Species	<i>Setophaga discolor</i> (Prairie Warbler)	2

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Species	<i>Haemorhous purpureus</i> (Purple Finch)	3
Species	<i>Loxia curvirostra</i> (Red Crossbill)	3
Species	<i>Pheucticus ludovicianus</i> (Rose-breasted Grosbeak)	3
Species	<i>Regulus calendula</i> (Ruby-crowned Kinglet)	2
Species	<i>Piranga olivacea</i> (Scarlet Tanager)	3
Species	<i>Egretta thula</i> (Snowy Egret)	3
Species	<i>Falciennis canadensis</i> (Spruce Grouse)	3
Species	<i>Catharus ustulatus</i> (Swainson's Thrush)	3
Species	<i>Oreothlypis peregrina</i> (Tennessee Warbler)	2
Species	<i>Catharus fuscescens</i> (Veery)	2
Species	<i>Zonotrichia albicollis</i> (White-throated Sparrow)	3
Species	<i>Loxia leucoptera</i> (White-winged Crossbill)	3
Species	<i>Hylocichla mustelina</i> (Wood Thrush)	1
Species	<i>Setophaga petechia</i> (Yellow Warbler)	3
Class	<i>Gastropoda</i> (Aquatic And Terrestrial Snails)	SGCN Category
Species	<i>Neohelix dentifera</i> (Big-tooth Whitelip)	3
Species	<i>Appalachina sayana</i> (Spike-lip Crater)	3
Class	<i>Insecta</i> (Insects)	SGCN Category
Species	<i>Hydroptila blicklei</i> (A Caddisfly)	3
Species	<i>Hydroptila parachelops</i> (A Caddisfly)	3
Species	<i>Hydroptila tomah</i> (A Caddisfly)	3
Species	<i>Ochrotrichia denningi</i> (A Caddisfly)	3
Species	<i>Ameletus browni</i> (A Mayfly)	3
Species	<i>Baetisca berneri</i> (A Mayfly)	3
Species	<i>Baetisca carolina</i> (A Mayfly)	3
Species	<i>Baetisca lacustris</i> (A Mayfly)	3
Species	<i>Baetisca rubescens</i> (A Mayfly)	3
Species	<i>Hexagenia rigida</i> (A Mayfly)	3
Species	<i>Metretopus borealis</i> (A Mayfly)	3
Species	<i>Nixe horrida</i> (A Mayfly)	3
Species	<i>Parameletus midas</i> (A Mayfly)	3
Species	<i>Rhithrogena undulata</i> (A Mayfly)	3
Species	<i>Siphonurus barbaroides</i> (A Mayfly)	3
Species	<i>Siphonurus barbarus</i> (A Mayfly)	2
Species	<i>Siphonurus demaryi</i> (A Mayfly)	2
Species	<i>Cucullia speyeri</i> (A Moth)	3
Species	<i>Chaetagnaea cerata</i> (A Noctuid Moth)	2
Species	<i>Alloperla voinae</i> (A Stonefly)	3
Species	<i>Neoperla mainensis</i> (A Stonefly)	3
Species	<i>Xylota thoracica</i> (Acadian Swordgrass Moth)	3
Species	<i>Bombus pensylvanicus</i> (American Bumble Bee)	2
Species	<i>Satyroides appalachia</i> (Appalachian Brown)	3
Species	<i>Stylurus spiniceps</i> (Arrow Clubtail)	3
Species	<i>Cordulegaster obliqua</i> (Arrowhead Spiketail)	3
Species	<i>Bombus ashtoni</i> (Ashton's Cuckoo Bumble Bee)	2

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Species	<i>Chaetagnalea tremula</i> (Barrens Chaetagnalea)	3
Species	<i>Metarranthia apiciaria</i> (Barrens Metarranthia Moth)	2
Species	<i>Enallagma durum</i> (Big Bluet)	3
Species	<i>Tramea lacerata</i> (Black Saddlebags)	3
Species	<i>Callophrys lanoraieensis</i> (Bog Elfin)	3
Species	<i>Zale lunifera</i> (Bold-based Zale Moth)	3
Species	<i>Ophiogomphus colubrinus</i> (Boreal Snaketail)	1
Species	<i>Xylotype capax</i> (Broad Sallow)	3
Species	<i>Neurocordulia michaeli</i> (Broad-tailed Shadowdragon)	3
Species	<i>Bombus griseocollis</i> (Brown-belted Bumble Bee)	3
Species	<i>Leucorrhinia patricia</i> (Canada Whiteface)	2
Species	<i>Tramea carolina</i> (Carolina Saddlebags)	3
Species	<i>Ischnura hastata</i> (Citrine Forktail)	3
Species	<i>Gomphus vastus</i> (Cobra Clubtail)	3
Species	<i>Anax longipes</i> (Comet Darner)	3
Species	<i>Progomphus obscurus</i> (Common Sanddragon)	3
Species	<i>Argia translata</i> (Dusky Dancer)	3
Species	<i>Erora laeta</i> (Early Hairstreak)	2
Species	<i>Hemileuca maia maia</i> (Eastern Buckmoth)	2
Species	<i>Satyrion edwardsii</i> (Edwards' Hairstreak)	2
Species	<i>Nannothemis bella</i> (Elfin Skimmer)	3
Species	<i>Ophiogomphus anomalus</i> (Extra-striped Snaketail)	3
Species	<i>Bombus fernaldae</i> (Fernald's Cuckoo Bumble Bee)	3
Species	<i>Hemaris gracilis</i> (Graceful Clearwing)	3
Species	<i>Paonias astylus</i> (Huckleberry Sphinx)	3
Species	<i>Somatochlora incurvata</i> (Incurvate Emerald)	3
Species	<i>Bombus insularis</i> (Indiscriminate Cuckoo Bumble Bee)	2
Species	<i>Bombus citrinus</i> (Lemon Cuckoo Bumble Bee)	3
Species	<i>Hesperia leonardus</i> (Leonard's Skipper)	3
Species	<i>Arigomphus furcifer</i> (Lilypad Clubtail)	3
Species	<i>Celithemis martha</i> (Martha's Pennant)	3
Species	<i>Libellula needhami</i> (Needhams Skimmer)	3
Species	<i>Enallagma laterale</i> (New England Bluet)	2
Species	<i>Somatochlora minor</i> (Ocellated Emerald)	3
Species	<i>Libellula semifasciata</i> (Painted Skimmer)	3
Species	<i>Psectraglaea carnosa</i> (Pink Sallow)	2
Species	<i>Ophiogomphus howei</i> (Pygmy Snaketail)	2
Species	<i>Somatochlora brevicincta</i> (Quebec Emerald)	2
Species	<i>Ischnura ramburii</i> (Rambur's Forktail)	3
Species	<i>Gomphus quadricolor</i> (Rapids Clubtail)	2
Species	<i>Xystopeplus rufago</i> (Red-winged Sallow)	3
Species	<i>Williamsonia lintneri</i> (Ringed Boghaunter)	1
Species	<i>Somatochlora albicincta</i> (Ringed Emerald)	3
Species	<i>Epeorus frisoni</i> (Roaring Brook Mayfly)	1
Species	<i>Bombus affinis</i> (Rusty-patched Bumble Bee)	1
Species	<i>Bombus sandersoni</i> (Sanderson's Bumble Bee)	3

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Species	<i>Polygonia satyrus</i> (Satyr Comma)	3
Species	<i>Enallagma pictum</i> (Scarlet Bluet)	2
Species	<i>Erythrodiplax berenice</i> (Seaside Dragonlet)	3
Species	<i>Aeshna juncea</i> (Sedge Darner)	2
Species	<i>Papilio brevicauda gaspeensis</i> (Short-tailed Swallowtail)	3
Species	<i>Catocala similis</i> (Similar Underwing)	3
Species	<i>Erynnis brizo</i> (Sleepy Duskywing)	2
Species	<i>Thorybes bathyllus</i> (Southern Cloudywing)	3
Species	<i>Lanthus vernalis</i> (Southern Pygmy Clubtail)	2
Species	<i>Rhionaeschna mutata</i> (Spatterdock Darner)	3
Species	<i>Papilio troilus</i> (Spicebush Swallowtail)	3
Species	<i>Pteronarcys comstocki</i> (Spiny Salmonfly)	3
Species	<i>Epiaeschna heros</i> (Swamp Darner)	3
Species	<i>Siphonisca aerodromia</i> (Tomah Mayfly)	1
Species	<i>Enallagma carunculatum</i> (Tule Bluet)	3
Species	<i>Lycia rachelae</i> (Twilight Moth)	2
Species	<i>Bombus fervidus</i> (Yellow Bumble Bee)	3
Species	<i>Bombus terricola</i> (Yellowbanded Bumble Bee)	3
Species	<i>Aeshna sitchensis</i> (Zigzag Darner)	3

Class	<i>Mammalia</i> (Mammals)	SGCN Category
Species	<i>Eptesicus fuscus</i> (Big Brown Bat)	2
Species	<i>Lynx canadensis</i> (Canada Lynx)	2
Species	<i>Lasiurus borealis</i> (Eastern Red Bat)	3
Species	<i>Myotis leibii</i> (Eastern Small-footed Myotis)	1
Species	<i>Lasiurus cinereus</i> (Hoary Bat)	3
Species	<i>Myotis lucifugus</i> (Little Brown Bat)	1
Species	<i>Myotis septentrionalis</i> (Northern Long-eared Myotis)	1
Species	<i>Lasionycteris noctivagans</i> (Silver-haired Bat)	2
Species	<i>Perimyotis subflavus</i> (Tri-colored Bat)	2

Class	<i>Reptilia</i> (Reptiles)	SGCN Category
Species	<i>Emydoidea blandingii</i> (Blanding's Turtle)	1
Species	<i>Terrapene carolina carolina</i> (Eastern Box Turtle)	2
Species	<i>Thamnophis sauritus</i> (Eastern Ribbon Snake)	2
Species	<i>Storeria dekayi dekayi</i> (Northern Brownsnake)	2
Species	<i>Clemmys guttata</i> (Spotted Turtle)	1
Species	<i>Glyptemys insculpta</i> (Wood Turtle)	1

Endangered (E) and Threatened (T) Plant Species Associated With This Habitat

Class	Dicots <i>Dicotyledoneae</i>	State Status
Species	Allegheny Vine <i>Adlumia fungosa</i>	T
Species	American Ginseng <i>Panax quinquefolius</i>	E
Species	Bitternut Hickory <i>Carya cordiformis</i>	E
Species	Boreal Bedstraw <i>Galium kamtschaticum</i>	T
Species	Cut-leaved Toothwort <i>Cardamine concatenata</i>	E
Species	Flowering Dogwood <i>Cornus florida</i>	E

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Species	Hairy Bush-clover <i>Lespedeza hirta ssp. hirta</i>	E
Species	Mountain Honeysuckle <i>Lonicera dioica</i>	E
Species	New Jersey Tea <i>Ceanothus americanus</i>	T
Species	Northern Wild Comfrey <i>Cynoglossum virginianum var. boreale</i>	E
Species	Scarlet Oak <i>Quercus coccinea</i>	E
Species	Spotted Wintergreen <i>Chimaphila maculata</i>	E
Species	Squirrel-corn <i>Dicentra canadensis</i>	T
Species	Tall White Violet <i>Viola canadensis</i>	E
Species	Wild Coffee <i>Triosteum aurantiacum</i>	E
Species	Wild Ginger <i>Asarum canadense</i>	T
Species	Wild Indigo <i>Baptisia tinctoria</i>	E

Class	Monocots <i>Monocotyledoneae</i>	State Status
Species	Autumn Coral-root <i>Corallorhiza odontorhiza</i>	E
Species	Bur-reed Sedge <i>Carex sparganioides</i>	E
Species	Nodding Pogonia <i>Triphora trianthophora</i>	T
Species	Ram's-head Lady's-slipper <i>Cypripedium arietinum</i>	E
Species	Showy Orchis <i>Galearis spectabilis</i>	E
Species	Small Whorled Pogonia <i>Isotria medeoloides</i>	E
Species	Spreading Sedge <i>Carex laxiculmis</i>	E
Species	Variable Sedge <i>Carex polymorpha</i>	E

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Stressors Associated With This Macrogroup

IUCN Level 2 Threat Name: Air-Bourne Pollutants

Notes: Atmospheric nitrogen, among others, but long term impacts are not clear

IUCN Level 2 Threat Name: Annual and Perennial Non-timber crops

Notes: Clearing for cropland

IUCN Level 2 Threat Name: Commercial and Industrial Areas

Notes: Industrial/commercial development rates highest in urban/suburban areas of southern/coastal ME

IUCN Level 2 Threat Name: Habitat Shifting or Alteration

Notes: Habitat shifting as a result of climate change; forestry adaptation may be possible

IUCN Level 2 Threat Name: Housing and Urban Areas

Notes: Residential development rates highest in suburban areas of southern/coastal ME

IUCN Level 2 Threat Name: Invasive Non-native-Alien Species-Diseases

Notes: Invasive plants & insects (gypsy moth, EAB, Asian Longhorn beetle, etc.); invasive plants generally worse in southern ME; spraying Bt may be problematic for inverts in spruce-fir forests

IUCN Level 2 Threat Name: Invasive Non-native-Alien Species-Diseases

Notes: Invasive plants & insects (gypsy moth, EAB, Asian Longhorn beetle, etc.); invasive plants generally worse in southern ME; spraying Bt may negatively impact some native Lepidoptera in spruce-fir forests

IUCN Level 2 Threat Name: Livestock Farming and Ranching

Notes: Clearing for pastureland

IUCN Level 2 Threat Name: Logging and Wood Harvesting

Notes: Severity varies depending on intensity. May be a stress to species preferring closed canopy or late-successional systems; provides habitat for species using early to mid-successional forests; forest management also maintains working forest as v

IUCN Level 2 Threat Name: Logging and Wood Harvesting

Notes: Severity varies depending on intensity. May be a stress to species preferring closed canopy or late-successional systems; provides habitat for species using early to mid-successional forests; working forests can also help provide valuable open

IUCN Level 2 Threat Name: Mining and Quarrying

Notes: Very small, localize rock mines and gravel pits.

IUCN Level 2 Threat Name: Recreational Activities

Notes: Off trail use

IUCN Level 2 Threat Name: Renewable Energy

Notes: Wind energy development has direct impacts to habitat and when not properly sighted can have long-term impacts to bird and bat populations

IUCN Level 2 Threat Name: Renewable Energy

Notes: wind farm development

IUCN Level 2 Threat Name: Roads and Railroads

Notes: Fragmentation from roads is highest in southern and coastal ME

IUCN Level 2 Threat Name: Utility and Service Lines

Notes: Powerlines, pipelines etc; some may provide early successional habitat

Habitat Conservation Actions:

Relevant conservation actions for this habitat are assigned within broader habitat groupings in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-15. Click on the Habitat Grouping of interest to launch a habitat based report summarizing relevant conservation actions and associated SGCN.

Species Conservation Actions:

Conservation actions that may benefit species associated with this habitat can be found in Maine's 2015 Wildlife Action Plan:

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Element 1, Table 1-3. Click on the species of interest to launch a species based report summarizing relevant conservation actions and associated habitats.

The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.